



HUNTSVILLE

Shane Davis, P.E.
Director of
City Engineering

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Mayor

**REDSTONE GATEWAY EXTENSION, MARKET STREET AND
OVERLOOK ROAD RELOCATION – PACKAGE 1F-2 WATER SYSTEMS
AND PACKAGE 1F-3 PRIMARY COMMUNICATION/PRIMARY
ELECTRICAL**
Project No. 65-11-SP22
April 10, 2012

Addendum #2

All addenda and attachments for the above- referenced project will become part of the contract documents.

Questions from Contractors:

Questions/answers are listed on attachment to this addenda.

PLEASE NOTE: The **revised** copy of the bid form for Package 1F-3 – Primary Communication and Primary Electrical Package is attached to this addenda. All bids must be submitted on this revised bid form.

All addenda must be acknowledged either on the outside of the bid envelope or on the third page of your bid proposal known as Attachment "B".

Attachments: Questions/Answers
Revised Bid Form

END OF ADDENDUM #2

The Star of Alabama

REDSTONE GATEWAY: Package 1F-2 Water System and 1F-3 Primary Communication/Primary Electrical – Redstone Gateway Extension, Market Street, and Overlook Road Extension

PROJECT # 65-11-SP22

DATE: 4/10/12

CONTRACTOR QUESTIONS:

1. Q. Please verify water installation work shown on sheet C-12?
A. Contractor shall install all work shown except for the existing 12" D.I. Main shown along Rideout Road.
2. Q. Please verify Primary Communication & Electrical – work shown on sheets C11.5, C11.6, C12.1, E01, and E1.0?
A. Contractor shall install all work shown on sheets C11.5, C11.6, C12.1, E0.1, and E1.0-R1.
3. Q. Please verify RSA Water shown is not part of this work?
A. The installation of the RSA Water shown sheets C11.0, C11.2-R1, and C11.3-R1 is not part of this work.
4. Q. Will all areas of proposed utility work within rough grading area of Reed Contracting be at subgrade elevation?
A. It is possible that all areas will be at subgrade elevation however Contractors should assume the maximum depth excavation at cut areas as required.
5. Q. Package 1F-2 indicates to install valve pits/detector check valves/backflow preventers and vaults as shown on the drawings. None are shown so none are required. Correct?
A. If none are shown then that is correct.
6. Q. Are concrete valve pads required? If so, can precast concrete donuts be used?
A. Concrete valve pads are required. Precast concrete donuts can be used.
7. Q. Please clarify what any & all means of "off-site" and "on-site" pedestrian and traffic control refers to?
A. The contractor will responsible for any traffic control associated with their scope of work to safely protect the public.
8. Q. Please confirm any and all overhead electrical/communication line work is not part of this scope of work.
A. Per page 6 of the Instructions to Bidders Installation of Redstone Arsenal power identified on sheets C11.0 to C11.4 is by the Package 1F-1 Contractor.
9. Q. The proposal form for Package 1F-3 breakdown notes traffic signalization work. No signalization work is noted in the scope of work for Package 1F-3. What is this referring?
A. No traffic signalization work is required and this has been removed from the attached bid form.

10. Please clarify what materials are furnished by HU Electric – Scope of work for Package 1F-3 indicates the requirements for pole bases. Street Lighting info indicates Owner provided auger foundations, poles & LED fixtures, but this material is not noted in material by ATC fee. Kindly provide list of Owner/HU furnished material?
- A. Huntsville Utilities ATC cost covers the following items:
- S3 Cabinets and Bases
 - 750 Cabinets and Bases
 - ~~Single Phase Transformers and Bases~~
 - Switch Cabinet Components and Bases
 - Primary Cable & Installation
 - Street Lighting auger foundations, poles, and LED fixtures
11. Q. Electrical ATC fee indicates single phase transformer and bases. Lighting plans indicates detail for meter center/panel off of transformer to power lights but no transformer pad is shown on utility conduit drawing. Is this required and if so, provide a location?
- A. Transformer locations are shown on plans. Pad is to be provided per Huntsville Utilities Specifications. See Note 6 on Sheet E0.1.
12. Q. We assume it is acceptable for 5" and 6" conduit to be placed in a joint trench. Please verify.
- A. It is acceptable per the HU Electrical Specifications but only with the approval of the inspector.
13. Q. Pre-Bid notes the requirement for seismic surveys/pre-blast surveys prior to drilling/blasting. Is anything required if rock excavation is done with a hydraulic breaker?
- A. No.
14. Q. Please confirm the only concrete encasement of communication duct banks is under the pavement area. How far past the curb line must encasement extend?
- A. That is correct and concrete must extend 5' past the back of curb.
15. Q. Is any concrete encasement of electrical conduit required?
- A. Refer to Huntsville Utilities Electrical Specifications.
16. Q. The communication duct bank detail indicates #78 gravel backfill in the hatched area. Outside of paved areas where concrete encasement is not required, what is required for backfill around the duct bank below the hatched area?
- A. Structural fill backfill.
17. Q. What is the overall minimum duct bank width?
- A. Refer to notes on Drawing C11.6.
18. Q. On the primary conduit plan, service and stubs are shown out of the cabinets/switch gear. How far do these extend from fixture. It appears as though one extends across the street at one location. Is this correct?
- A. Service and stubs to be extended beyond the limits of improvements. Yes, the drawing is correct.
19. Q. Please confirm the minimum cover/depth requirements for the Water, Electric primary Conduit, and Site Lighting Conduit?
- A. Thirty inches of cover is the required minimum depth for proposed water main. See Huntsville Utilities Water and Electrical Specifications and design notes for minimum cover requirements. Refer to Note 6 sheet E0.1 "All work performed shall be as specified in the Huntsville Utilities General Specifications for Installation of Underground Utilities. REV. Oct 2008." This is available on the Huntsville Utilities web sites for Electric primary and Site Lighting Conduit.

20. Q. Kindly provide a list of documents required to be submitted with Bid Proposal
A. Please include 3 originals of the Bid Proposal and attachments A thru I.
21. Q. Fence specification – Any fencing work associated with Packages 1F-2/1F-3?
A. No.
22. Q. Please clarify on the water casing required. Are we installing a main thru this casing? No casing spacers/end seals included in water ATC materials. Are these required and if so, are we responsible for providing?
A. The casing pipe is being installed for a future tie-in and will not require a main through it at the time of installation.
23. Q. Kindly provide a material specification for the duct bank markers required?
A. PVC tape marker.
24. On Sheet C11.5 Tie into Package 1B work: North end connects to existing manhole. Are conduits stubbed from manhole or manhole cored or knock out panel to tie in new conduits?
A. Knock panels in manholes to tie-in the new conduit.
25. Q. Sheet C11.5 Plan calls out 6 manholes. Are these the 6' x 8' x 7'? There is a manhole shown at the east end but not called out. What size is this? Are any 4' x 4' x 4' handhole/pull boxes required? Keynote 1 refers to detail on DWG C11.6 typical. What exactly does this require at the end of stubs? Cap off conduit?
A. This is called out on Drawing C11.5.
26. Q. Sheet C11.5 Note 4 – Does this pertain to our work? Are we required to install pull strings in communication conduits?
A. Yes.
27. Q. Sheet C11.6 Is Note 9 applicable to the duct bank installation? Do manholes require waterproofing on the outside prior to backfill? If so, what type material?
A. Note 9 applies; no waterproofing is required.
28. Q. Kindly confirm the existing 12" Ductile Iron Main is behind the curb along Rideout Road where the fire hydrant/12" main tie in is required.
A. Yes the 12" Ductile Iron Main is behind the curb.
29. Q. Reference sheet E0.1 what does Note #7 refer to?
A. Note 7 is left over from phase 1B. Please disregard for this phase.
30. Q. On sheet E1.0-R1 please clarify the tie-in point of phase 1B/1F @ North side? There is no description for Keynote 4 please verify?
A. Tie in points are noted by Panel board notation. RP-2 and RP-3 Note 4 is to read "Coordinate location of pull box with sign luminaires".
31. Q. At the pre-bid, it was discussed that the water main was within 5' of the back of curb thus requiring gravel backfill. Sheet C14.4-R1 shows the water main \pm 12' behind the curb. Which is correct? if 12' behind curb, portions under sidewalk – will gravel backfill be required?
A. The majority of the water line is 12' behind the curb, however any water line under the roadway, crossings, and 5' behind the curb and gutter must be backfilled with stone.
32. Q. Drawings indicate future drives along Market Street – N.I.C. – Will water main crossings @ future drives require gravel backfill?
A. Yes.
33. Q. Can excess soils for the utility excavating be spoiled on site? If so, where and will any restoration (i.e. grading, seeding, etc) of the spoil pile be required? Can rock excavation be spoiled on site?
A. No.

33. Q. On Package 1F-3 Bid Form please define Item 3 "Traffic Signalization"?
- A. No traffic signalization work is required and this has been removed from the attached bid form.
34. Q. On Sheet C11.1-R1 is the communication duct bank relocation & overhead pole work (along Rideout Rd) part of this contract?
- A. Per page 6 of the Instructions to Bidders Installation of Redstone Arsenal power and I3MP duct bank relocations identified on sheets C11.0 to C11.4 are by the Package 1F-1 Contractor.
35. Q. On Sheet(s) C11.2-R1 & C11.3-R1 what are the limits of work for this bid package as it relates to the overhead line removal & installation?
- A. Per page 6 of the Instructions to Bidders Installation of Redstone Arsenal power and I3MP duct bank relocations identified on sheets C11.0 to C11.4 are by the Package 1F-1 Contractor.
36. Q. Does Huntsville Utilities pull the wire for primary power in the 5" and 6" conduit?
- A. Yes.
37. Q. Do we furnish and place the street light wires in the 2" conduit and make hot?
- A. Yes.
38. Q. Per Q&A #12 on Addendum #1 retainage will be held on the ATC costs for water and power. Can this be changed to no retainage held on the ATC cost?
- A. Yes the City of Huntsville has agreed not to hold retainage on the ATC cost for Package F.
39. Q. Does Addendum #2 include any revised drawings?
- A. Yes see Addendum #2 drawing Sheet C11.3 which extended Redstone Gateway Boulevard.

**ATTACHMENT "B" to PROPOSAL
PROPOSAL FORM
PACKAGE 1F - 3 Primary Communication and Primary Electrical Package
REDSTONE GATEWAY
COH PROJECT NO. 65-11-SP22**

ITEM	DESCRIPTION	QTY.	UNIT	AMOUNT	AMOUNT DESCRIPTION (MUST BE WRITTEN IN "WORDS" AND MATCH THE "AMOUNT" COLUMN FIGURE)
1	Mobilization: (not to exceed 5% of the total base bid)	1	L.S.	\$ _____	FOR THE LUMP SUM PRICE OF: _____ DOLLARS AND _____ CENTS
2	Primary Communication and Primary Electrical: (to include all labor, materials, supervision, overhead and profit to complete work as shown and outlined in project plans and specifications)	1	L.S.	\$ _____	FOR THE LUMP SUM PRICE OF: _____ DOLLARS AND _____ CENTS
3	Electrical Distribution Infrastructure Aid to Construction: Contractor to include allowance for materials furnished by Huntsville Utilities. (Per Project Specifications)	1	L.S.	\$172,935.00	FOR THE LUMP SUM PRICE OF: _____ DOLLARS AND _____ CENTS
4	Street Lights Aid to Construction: Contractor to include allowance for materials furnished by Huntsville Utilities. (Per Project Specifications)	1	L.S.	In Above	FOR THE LUMP SUM PRICE OF: _____ DOLLARS AND _____ CENTS
5	Total Allowances Item A (Below)	1	L.S.	\$ _____	FOR THE LUMP SUM PRICE OF: _____ DOLLARS AND _____ CENTS
				FOR THE TOTAL BASE BID LUMP SUM PRICE OF (ITEMS 1 thru 5): \$ _____	FOR THE LUMP SUM PRICE OF: _____ DOLLARS AND _____ CENTS

ALLOWANCES TO BE INCLUDED IN BASE BID TOTAL
(Note: Allowances will be used on an as-needed basis. Upon Project Completion, Any Balance will be subtracted from Contract)
ALL VOLUME MEASUREMENTS TO BE "BANK YARDS" - (IN PLACE MEASUREMENT)

ITEM	DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL AMOUNT	AMOUNT DESCRIPTION (MUST BE WRITTEN IN "WORDS" AND MATCH THE "TOTAL AMOUNT" COLUMN FIGURE)
A	Trench Rock Removal and place on-site Allowance: For Additive Change Orders	100	CY	\$ _____	\$ _____	FOR THE LUMP SUM PRICE OF: _____ DOLLARS AND _____ CENTS
				Total Allowances for Items A:	\$ _____	FOR THE LUMP SUM PRICE OF: _____ DOLLARS AND _____ CENTS

The Apparent Low Bidder(s) will be required to submit, within Two (2) business day after bid opening, a detailed "balanced" breakdown of Bid Items # 1-5 indicating quantities and unit prices. Such unit prices will be the basis for additive and deductive change orders.

*Legal Name of Bidder (Company) : _____

Mailing Address : _____

By (authorized signature) : _____

Name (Typed) : _____

Title : _____

Date : _____

* If other than the individual proprietor, a named member of the Partnership, the President, Vice-President or Secretary of the Corporation, attach written authority to bind the Bidder. Any modification shall be over the initials of the person signing the bid.